

Title (en)
DISPLAY APPARATUS FOR VEHICLE

Title (de)
ANZEIGEVORRICHTUNG FÜR EIN FAHRZEUG

Title (fr)
AFFICHEUR POUR VÉHICULE

Publication
EP 3848224 B1 20220427 (EN)

Application
EP 20184483 A 20200707

Priority
KR 20200002715 A 20200108

Abstract (en)
[origin: EP3848224A1] A display device for a vehicle includes a first frame configured to be coupled to a dashboard of the vehicle, a second frame configured to move vertically relative to the first frame, and a flexible display having a first area that extends along the second frame and defines a flat surface and a second area that is configured to extend from the first area, where the display device is configured to vary a shape of the second area. The display device further includes a first roller that extends in an upward-downward direction and that supports an inner surface of the flexible display to allow the second area to be curved around the first roller, a first moving body is coupled to the second area, and a second actuator configured to move the first roller and the first moving body laterally relative to the second frame.

IPC 8 full level
B60K 35/00 (2006.01); **G02F 1/1333** (2006.01)

CPC (source: CN EP KR US)
B60K 35/00 (2013.01 - EP KR US); **B60K 35/22** (2024.01 - EP); **B60K 35/223** (2024.01 - EP KR); **B60K 35/50** (2024.01 - KR); **B60K 35/53** (2024.01 - EP); **B60K 35/60** (2024.01 - KR); **B60R 11/00** (2013.01 - CN); **B60R 11/0235** (2013.01 - CN KR); **F16H 25/10** (2013.01 - KR); **H05K 5/0017** (2013.01 - US); **H05K 5/0217** (2013.01 - US); **B60K 35/22** (2024.01 - US); **B60K 35/53** (2024.01 - US); **B60R 2011/0005** (2013.01 - CN KR); **B60R 2011/0007** (2013.01 - CN); **B60R 2011/0057** (2013.01 - KR); **B60R 2011/008** (2013.01 - CN); **B60R 2011/0084** (2013.01 - KR)

Cited by
EP4393743A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3848224 A1 20210714; **EP 3848224 B1 20220427**; CN 113085740 A 20210709; CN 113085740 B 20230502; KR 102340790 B1 20211216; KR 20210089493 A 20210716; US 11178782 B2 20211116; US 2021212223 A1 20210708

DOCDB simple family (application)
EP 20184483 A 20200707; CN 202010500873 A 20200604; KR 20200002715 A 20200108; US 202016912164 A 20200625